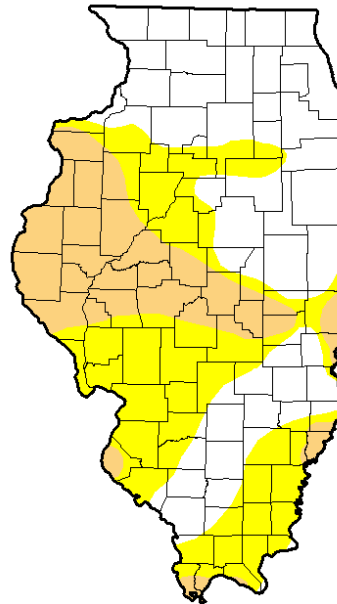




# Central Illinois Drought Update

Friday, November 13, 2015

## U.S. Drought Monitor Illinois



**November 10, 2015**

(Released Thursday, Nov. 12, 2015)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	44.38	55.62	22.33	0.00	0.00	0.00
<b>Last Week</b> 11/3/2015	49.73	50.27	22.33	0.00	0.00	0.00
<b>3 Months Ago</b> 8/11/2015	99.67	0.33	0.02	0.00	0.00	0.00
<b>Start of Calendar Year</b> 12/2/2014	99.86	0.14	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 9/29/2015	82.81	17.19	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 11/11/2014	100.00	0.00	0.00	0.00	0.00	0.00

### Intensity

D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought
D2 Severe Drought	

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

### Author:

Richard Tinker  
CPC/NOAA/NWS/NCEP



<http://droughtmonitor.unl.edu/>



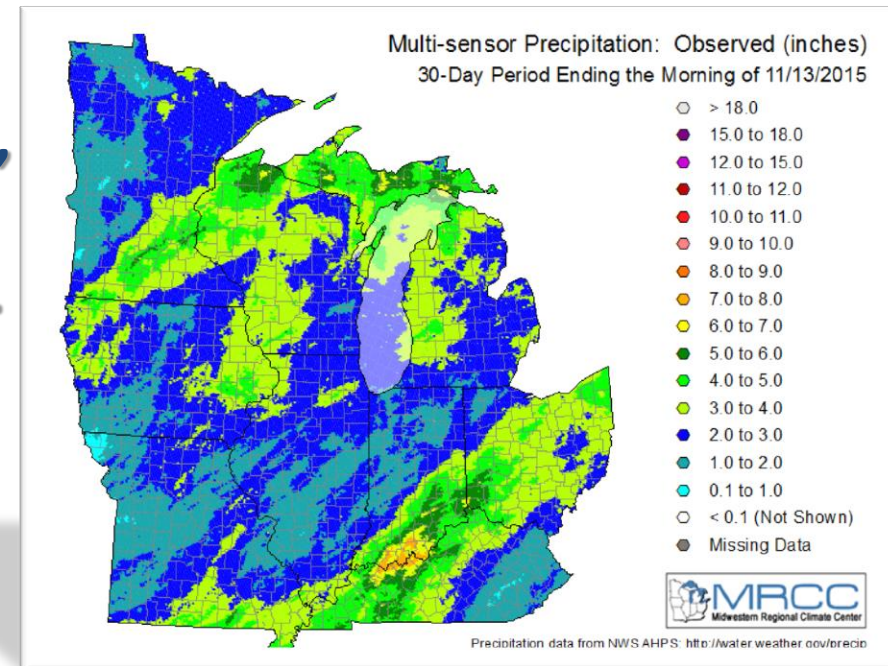
Chris Geelhart, Meteorologist  
National Weather Service, Lincoln IL  
Phone: 217-732-3089  
E-mail: [chris.geelhart@noaa.gov](mailto:chris.geelhart@noaa.gov)



# Central Illinois Drought Update

Latest Summary

- Fast moving thunderstorms on Wednesday brought some heavier rain totals in narrow corridors over central Illinois. A few areas around 1" occurred west of Peoria, and some areas exceeded  $\frac{1}{2}$ ". However, there were larger areas that ended up with less than  $\frac{1}{4}$ ".
- Rainfall since August has averaged 3 to 6" below normal, especially in areas from Rushville to Decatur westward.





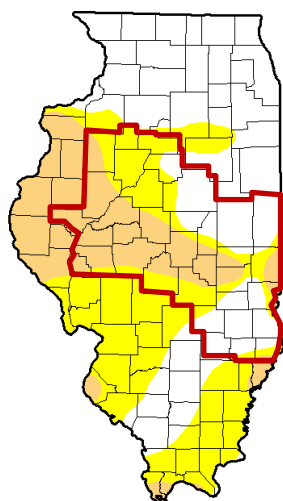
# Central Illinois Drought Update

## Latest Drought Monitor Graphics – Local

### Classification of counties covered by the Lincoln NWS (highlighted in red on the map):

- **D4 (Exceptional Drought):** None
- **D3 (Extreme Drought):** None
- **D2 (Severe Drought):** None
- **D1 (Moderate Drought):** Cass, Coles, Douglas, Edgar, Fulton, Knox, Logan, Macon, Mason, Menard, Morgan, Moultrie, Sangamon, Schuyler, Scott
- **D0 (Abnormally Dry):** Christian, Clark, Marshall, Peoria, Piatt, Shelby, Stark, Tazewell

### U.S. Drought Monitor Illinois



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	44.38	55.62	22.33	0.00	0.00	0.00
<b>Last Week</b> 11/3/2015	49.73	50.27	22.33	0.00	0.00	0.00
<b>3 Months Ago</b> 8/10/2015	99.67	0.33	0.02	0.00	0.00	0.00
<b>Start of Calendar Year</b> 1/1/2015	99.86	0.14	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 9/29/2014	82.81	17.19	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 11/10/2014	100.00	0.00	0.00	0.00	0.00	0.00

#### Intensity:

D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought
D2 Severe Drought	

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

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Category	Description	Possible Impacts
D0	Abnormally Dry	<p>Going into drought:</p> <ul style="list-style-type: none"> <li>short-term dryness slowing planting, growth of crops or pastures</li> </ul> <p>Coming out of drought:</p> <ul style="list-style-type: none"> <li>some lingering water deficits</li> <li>pastures or crops not fully recovered</li> </ul>
D1	Moderate Drought	<ul style="list-style-type: none"> <li>Some damage to crops, pastures</li> <li>Streams, reservoirs, or wells low, some water shortages developing or imminent</li> <li>Voluntary water-use restrictions requested</li> </ul>
D2	Severe Drought	<ul style="list-style-type: none"> <li>Crop or pasture losses likely</li> <li>Water shortages common</li> <li>Water restrictions imposed</li> </ul>
D3	Extreme Drought	<ul style="list-style-type: none"> <li>Major crop/pasture losses</li> <li>Widespread water shortages or restrictions</li> </ul>
D4	Exceptional Drought	<ul style="list-style-type: none"> <li>Exceptional and widespread crop/pasture losses</li> <li>Shortages of water in reservoirs, streams, and wells creating water emergencies</li> </ul>





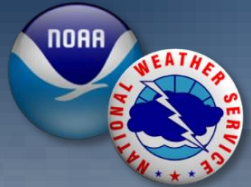
# Central Illinois Drought Update

## Agricultural Impacts

- Crop harvest is largely complete.
- With most of the winter wheat now planted (96% statewide), additional moisture is needed, and to make sure there are enough moisture reserves for spring planting activities.
- According to the November 9 report from the National Agricultural Statistics Service, the recent rainfall has helped with topsoil moisture, but the subsoil is still quite dry.
  - Topsoil moisture is 57% short or very short in west central Illinois, slightly better than last week (59%).
  - 77% of subsoil moisture is considered short or very short, a bit improved from last week (83%).

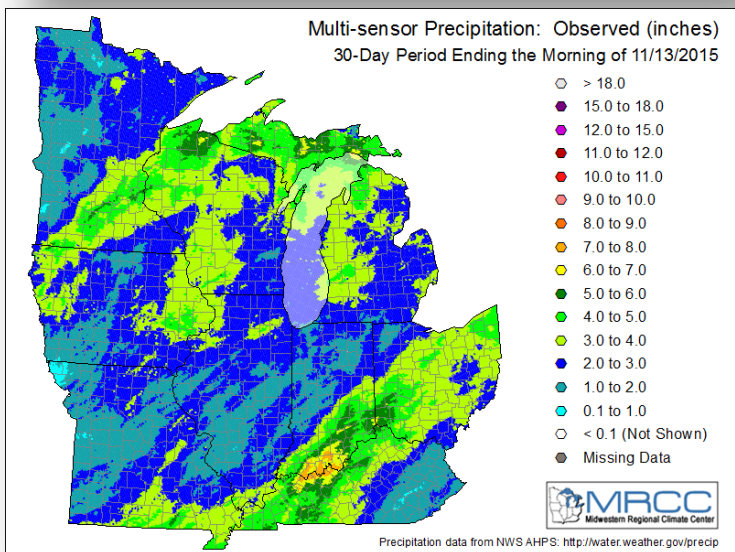
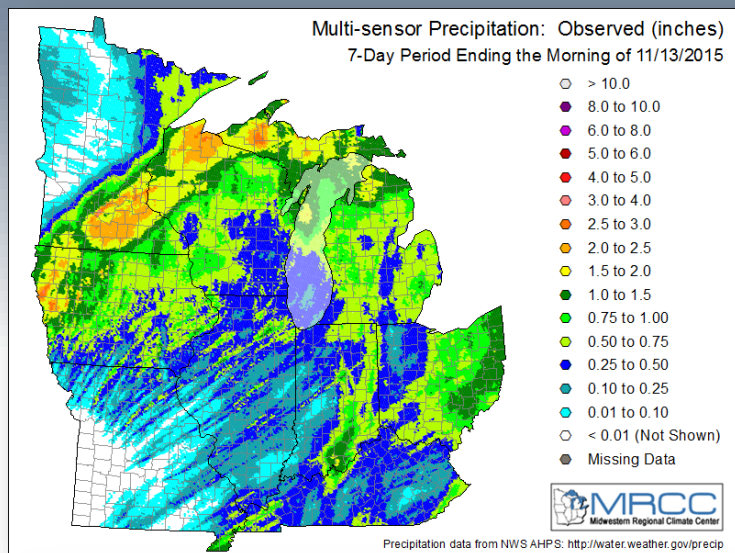






# Central Illinois Drought Update

Climate Summary (including observations through Nov. 12)



Location	Precipitation Since 8/1 (vs normal)	Precipitation in November (inches)
Charleston	7.56 (-3.88)	0.76
Decatur	5.94 (-5.66)	0.48
Galesburg	7.06 (-4.29)	1.11
Havana	6.09 (-5.17)	0.80
Jacksonville	Missing	Missing
Lincoln	7.87 (-3.58)	0.74
Normal	9.32 (-2.24)	1.20
Paris	6.68 (-5.25)	0.95
Peoria	8.42 (-2.04)	1.13
Springfield	7.83 (-2.70)	0.50





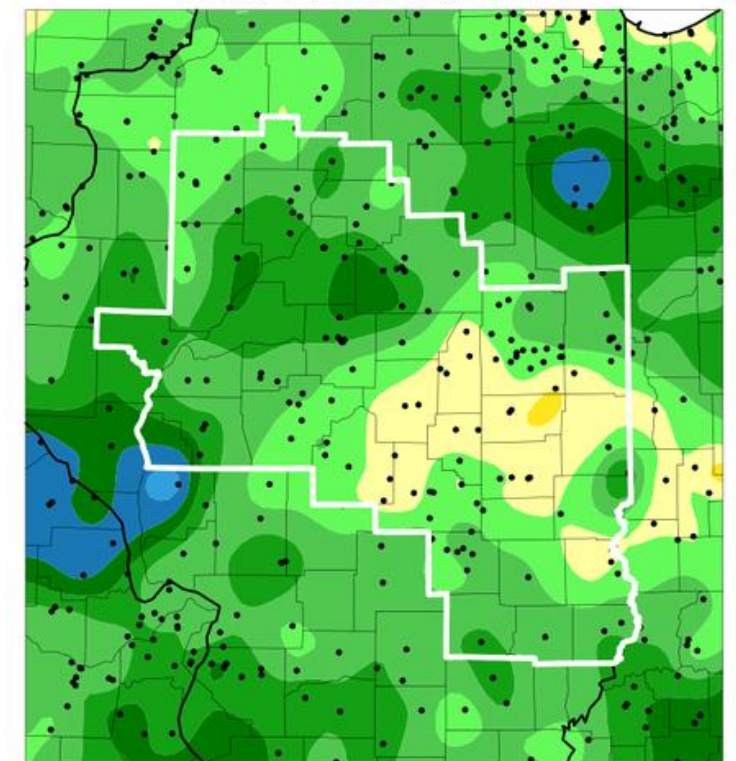
# Central Illinois Drought Update

## Precipitation Departures from Normal

*First 7 months of the year*

Accumulated Precipitation (in): Departure from 1981-2010 Normals

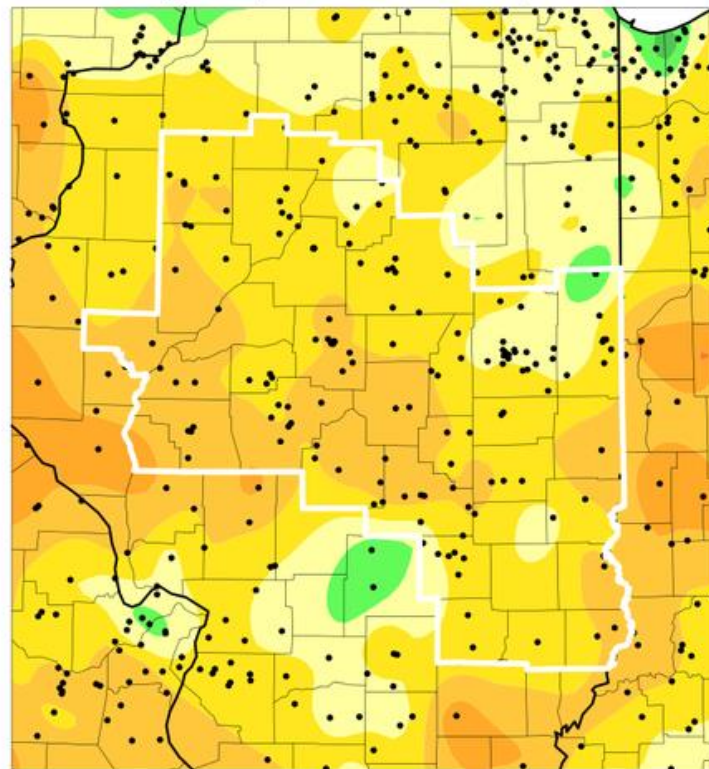
January 01, 2015 to July 31, 2015



*Since August 1*

Accumulated Precipitation (in): Departure from 1981-2010 Normals

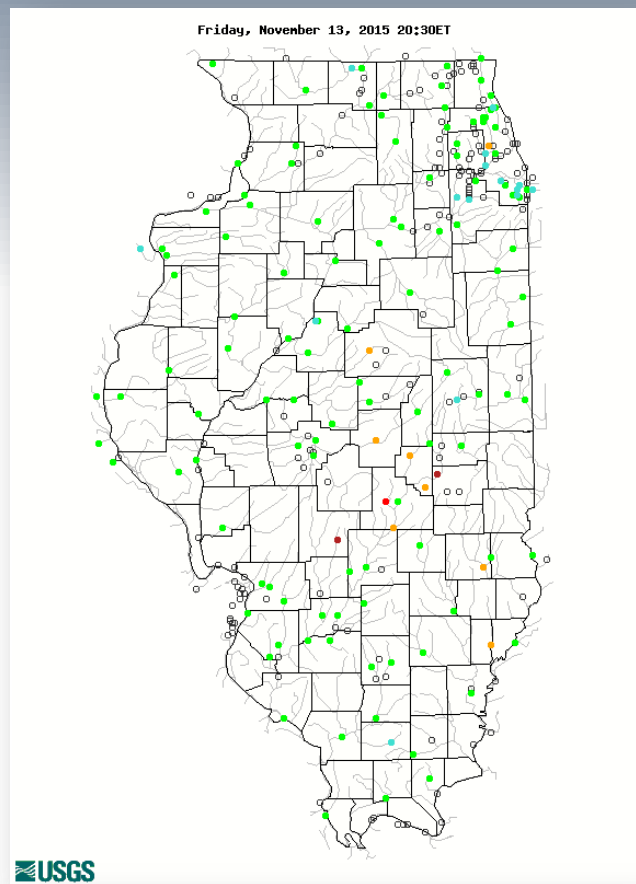
August 01, 2015 to November 12, 2015





# Central Illinois Drought Update

## Hydrologic Summary – River and Stream Flow Conditions



Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

Location	Discharge (CFS)	Long Term Daily Mean Discharge
<b>Illinois River:</b>		
Kingston Mines	8,650	8,290
Valley City	7,780	11,000
<b>Sangamon River:</b>		
Decatur	3.6	7.0
Riverton	92	195
Oakford	562	587
<b>Spoon River:</b>		
London Mills	219	150
Seville	289	248

Location	Observed Stage (ft.)	Normal Stage (ft.)
Clinton Lake	690.10	Not available
Lake Decatur	614.14	613.0
Lake Springfield	558.04	557.93
Lake Shelbyville	599.35	599.7

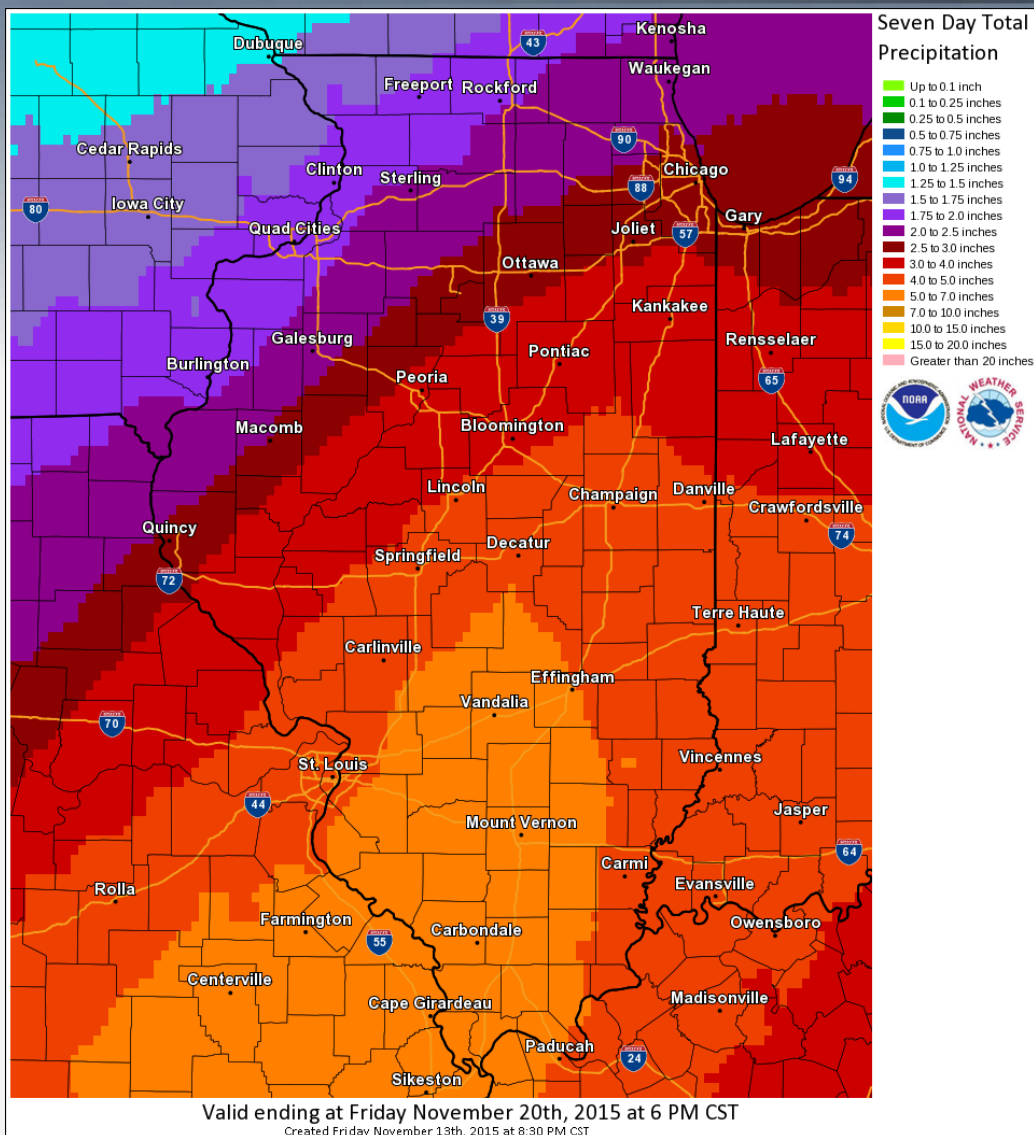






# Central Illinois Drought Update

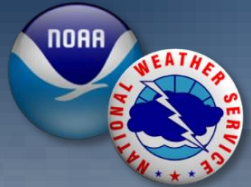
## 7-day Precipitation Outlook Through Next Wednesday



- Significant amounts of rain are expected early next week, beginning Sunday evening and continuing through midweek
- Most areas east of I-55 are expected to receive at least 3 inches of rain, with 1.5 to 3 inches west



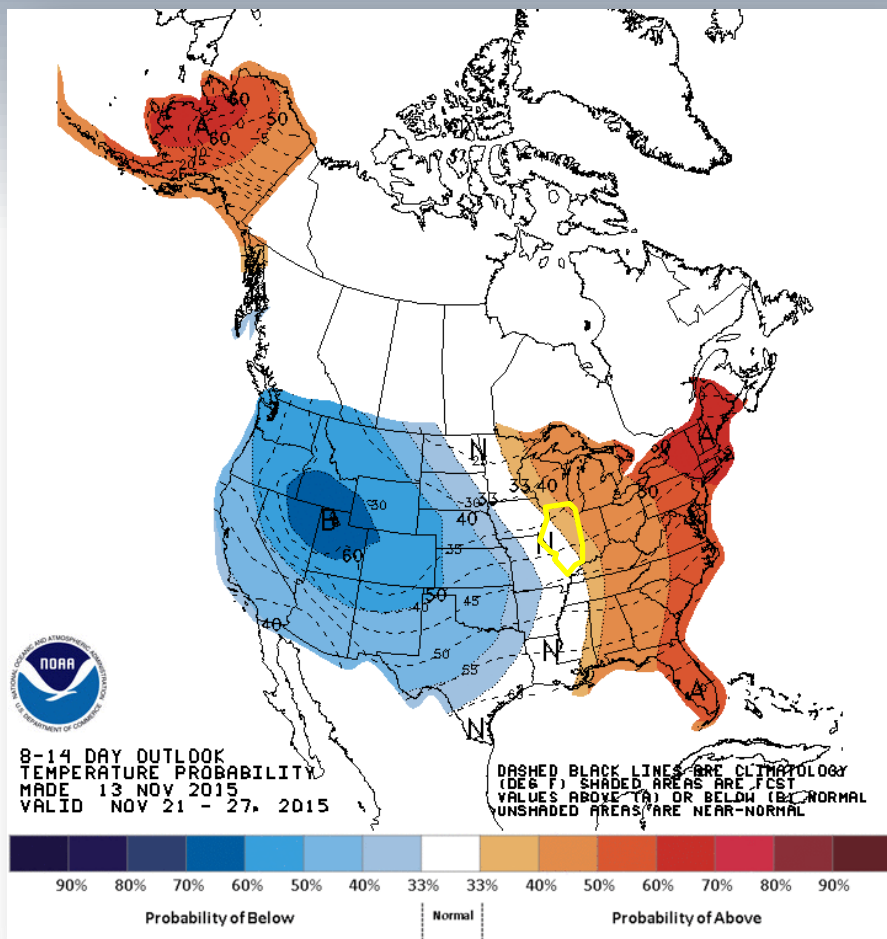




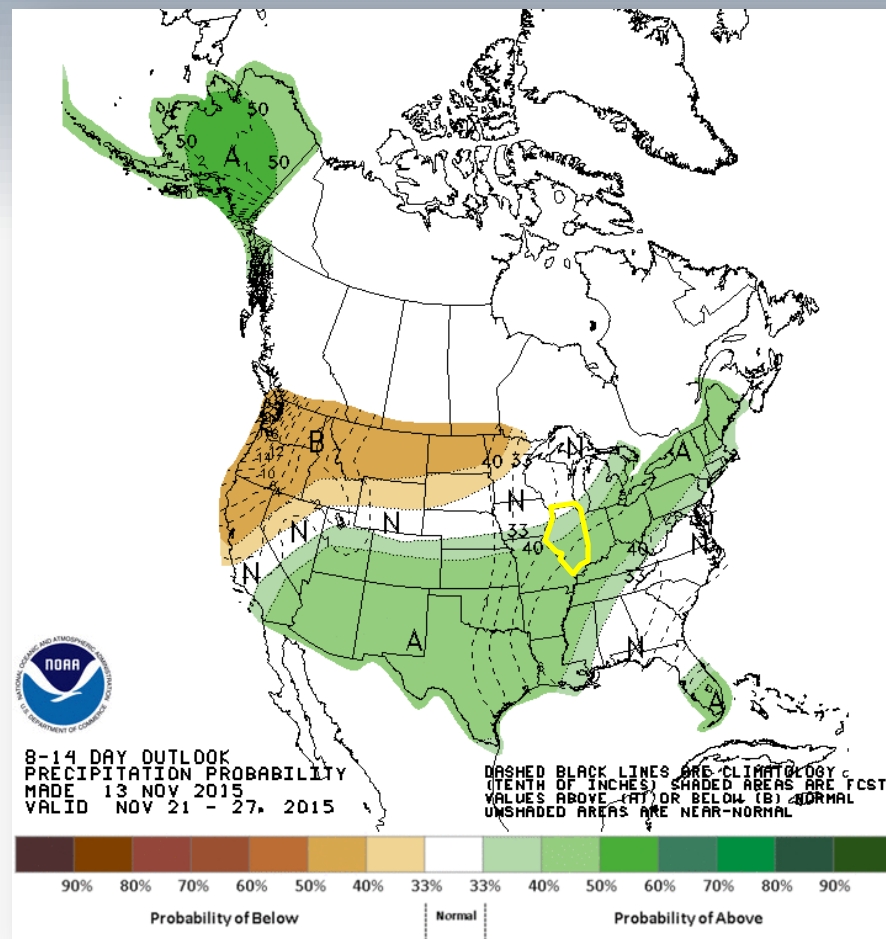
# Central Illinois Drought Update

8-14 Day Outlook: November 21-27

## Illinois: Temperatures above normal



## Illinois: Precipitation above normal



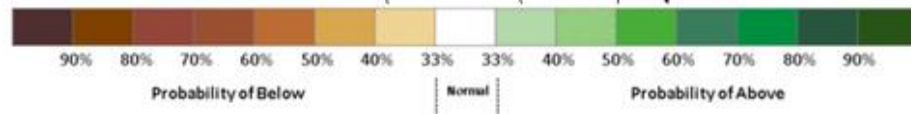
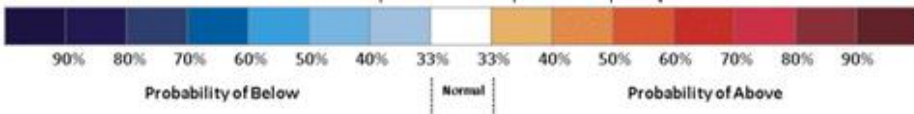
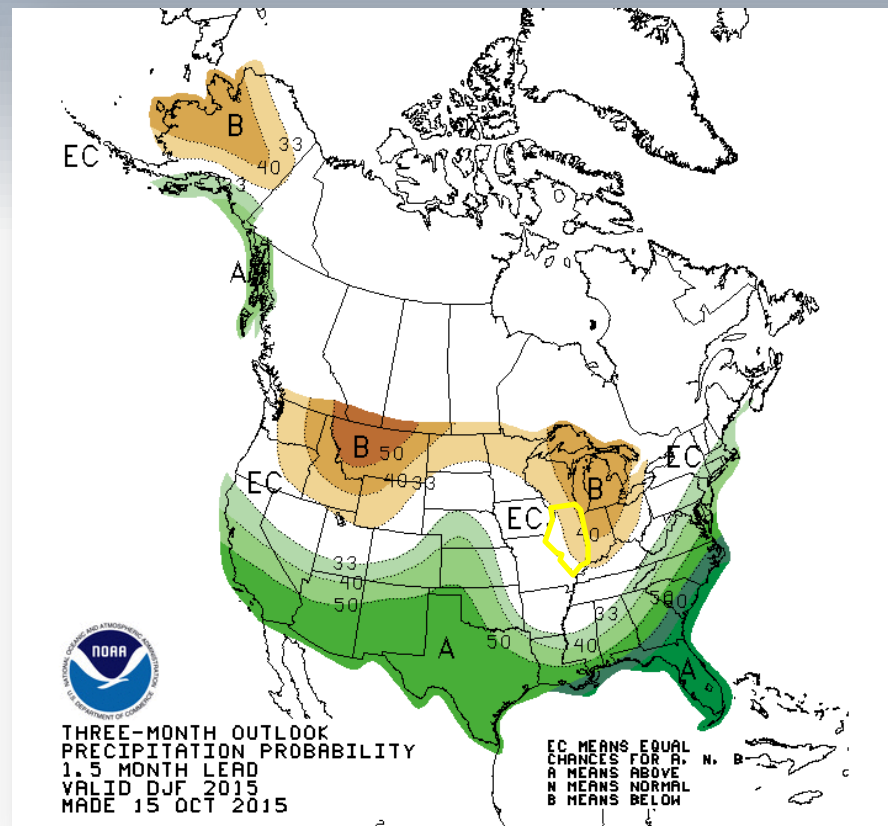
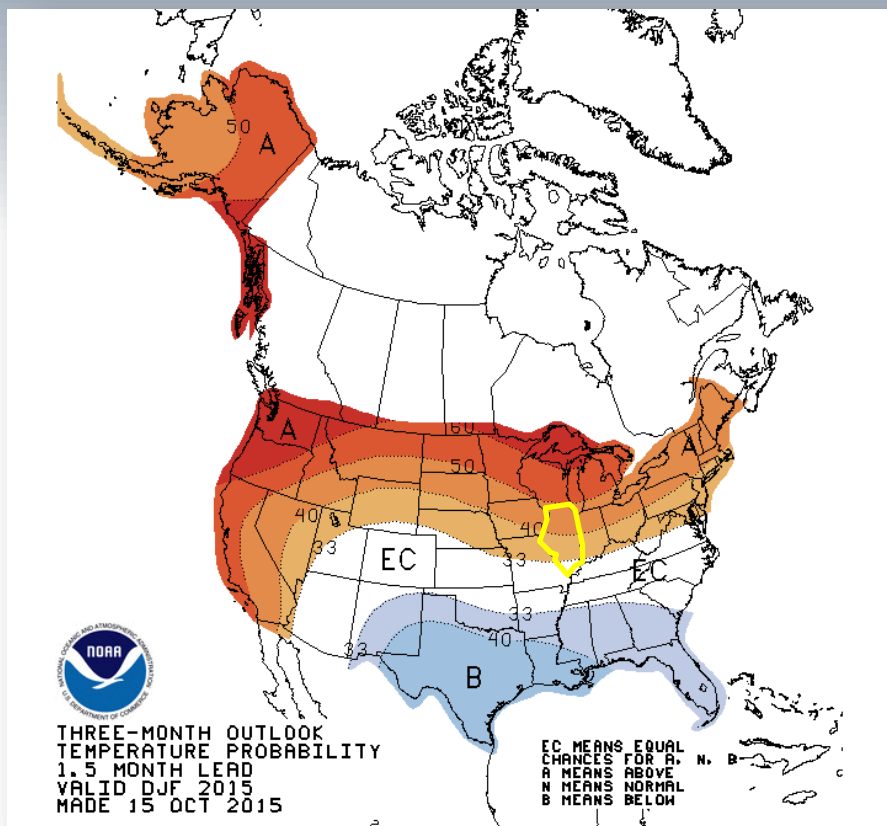


# Central Illinois Drought Update

Winter Outlook (December through February)

**Temperatures: Above normal favored**

**Precipitation: Below normal favored**



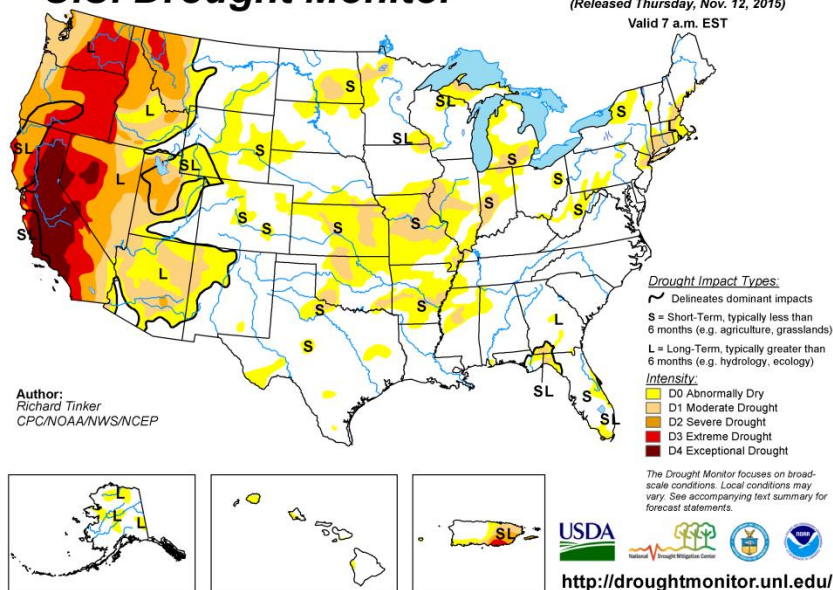


# Central Illinois Drought Update

## About the Drought Monitor

### U.S. Drought Monitor

November 10, 2015  
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Valid 7 a.m. EST



The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center, the U.S. Department of Agriculture, and the National Oceanic and Atmospheric Administration. Updated maps are issued Thursday mornings at 7:30 am Central time, and incorporate data through the preceding Tuesday. It is based on measurements of climatic, hydrologic, and soil conditions, as well as reported impacts.

<http://droughtmonitor.unl.edu>



Weather.gov/Lincoln



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Friday, November 13, 2015